

# Converting Colors

$Y_{xy}(62.7870, 0.3453, 0.3012)$

Have a look what the booklet for  
Yxy(62.7870, 0.3453, 0.3012)  
contains.

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# Color

**Yxy(62.6649, 0.3450, 0.3004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDD9
RGB	255, 189, 217
RGB Percent	100%, 74%, 85%
CMY	0.0000, 0.2588, 0.1489
CMYK	0.00, 0.26, 0.15, 0.00
HSL	335°, 100%, 87%
HSV	335°, 26%, 100%
XYZ	71.9687, 62.6649, 73.9713
YIQ	211.9260, 30.3480, 22.7000

# Conversions

## Conversions Part 2

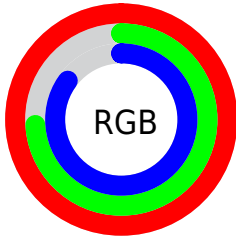
Format	Color
R <sub>Y</sub> B	255, 189, 217
Decimal	16760281
CIE Lab	83.27, 27.86, -4.67
CIE LCh	83, 28.246, 350.482
Yxy	62.6649, 0.3450, 0.3004
Android (android.graphics.Color)	4294950361 (0xFFFFBDD9)
YUV	211.9260, 2.5015, 37.7759
Hunter-Lab	79.1612, 23.7497, 0.0099

# Details

The Yxy color  $62.6649, 0.3450, 0.3004$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.8823, 0.2889, 0.3596$ , and the grayscale version is  $65.7550, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.3915, 0.3131, 0.3204$ , and  $31.8069, 0.3527, 0.2936$  is the 20% darker color. If you saturate the color by 10%, you get  $51.9129, 0.3624, 0.2888$ , and if you desaturate by 10%, it is  $75.4143, 0.3306, 0.3119$ .

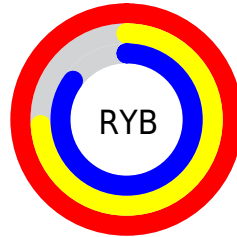
# Distribution



Red (100%)

Green (74%)

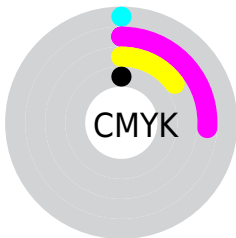
Blue (85%)



Red (100%)

Yellow (74%)

Blue (85%)

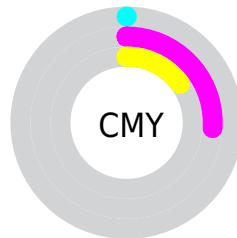


Cyan (0%)

Magenta (26%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6649, 0.3450, 0.3004 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 62.6649, 0.3450, 0.3004 by changing the saturation by 10% instead.





 62.6649, 0.3450,  
0.3004

 62.6649, 0.3450,  
0.3004

434.3523, 0.3298,  
0.3137

 45.5702, 0.3485,  
0.2973

 108.6859, 0.3397,  
0.3050

 31.9068, 0.3530,  
0.2935


138.3810, 0.3376,  
0.3068

 21.2903, 0.3586,  
0.2887


173.0450, 0.3358,  
0.3084

 13.3364, 0.3661,  
0.2824

213.0623, 0.3343,  
0.3097

 7.6606, 0.3765,  
0.2737

258.8173, 0.3330,  
0.3109

 3.8785, 0.3918,  
0.2610

310.6943, 0.3318,

 1.6059, 0.4168,

0.3120

0.2410

369.0779, 0.3307,  
0.3129

0.3615, 0.4895,  
0.1706

0.0000, 0.0000,  
0.0000

62.6649, 0.3450,  
0.3004

62.6649, 0.3450,  
0.3004

51.9129, 0.3624,  
0.2888

75.4143, 0.3306,  
0.3119

43.0540, 0.3830,  
0.2777

90.2548, 0.3187,  
0.3228

35.9767, 0.4070,  
0.2680

100.0000, 0.3127,  
0.3290

30.5571, 0.4341,  
0.2609

■ 26.6552, 0.4633,  
0.2576

■ 24.1074, 0.4931,  
0.2593

■ 22.7112, 0.5213,  
0.2666

■ 22.3497, 0.5323,  
0.2706

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6649, 0.3088, 0.2799



62.6649, 0.3450, 0.3004



62.6649, 0.3732, 0.3280

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.6649, 0.3450, 0.3004



62.6649, 0.3483, 0.3931



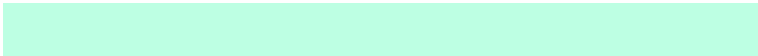
62.6649, 0.2461, 0.2945

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



62.6649, 0.3450, 0.3004



87.8823, 0.2889, 0.3596

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.6649, 0.2554, 0.3254



62.6649, 0.3450, 0.3004



62.6649, 0.3133, 0.3856

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



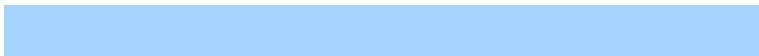
62.6649, 0.3450, 0.3004



62.6649, 0.3747, 0.3815



62.6649, 0.2795, 0.3599



62.6649, 0.2533, 0.2754



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.6649, 0.3450, 0.3004



62.6649, 0.3828, 0.3477



62.6649, 0.2795, 0.3599



62.6649, 0.2474, 0.3038

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



62.6654, 0.3450, 0.3004



86.9350, 0.3210, 0.3206



59.8471, 0.2943, 0.2600



18.1151, 0.3227, 0.3189



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.6654, 0.3450, 0.3004



56.9209, 0.3535, 0.2945



63.2497, 0.3672, 0.3337



18.1151, 0.3227, 0.3189



11.7066, 0.5282, 0.2683



1.1611, 0.4990, 0.2523



# Inverse Universe

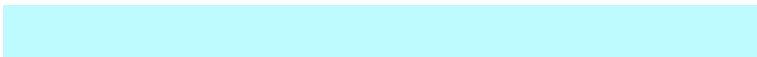
The Inverse Universe completely reimagines the original color for something new.



62.6654, 0.3450, 0.3004



56.9209, 0.3535, 0.2945



86.7830, 0.2742, 0.3242



18.1151, 0.3227, 0.3189



11.7066, 0.5282, 0.2683



1.1611, 0.4990, 0.2523



# Previews

## White Background



This preview shows how the Yxy color 62.6649, 0.3450, 0.3004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

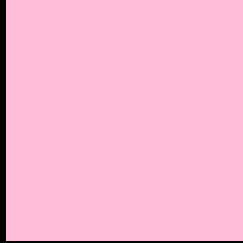
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6649, 0.3450, 0.3004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

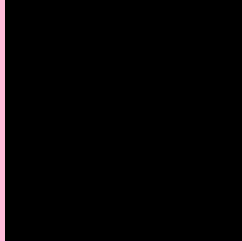
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.6649, 0.3450, 0.3004**

## Background



This preview shows how black text looks on a background with the Yxy color 62.6649, 0.3450, 0.3004.



This preview shows how white text looks on a background with the Yxy color 62.6649, 0.3450, 0.3004.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

62.6649, 0.3450, 0.3004

### Protanopia

62.8659, 0.2977, 0.3042

### Deuteranopia

62.6871, 0.3212, 0.3136



## Tritanopia

62.7887, 0.3528, 0.3136

# Trichromacy



## Original Color

62.6649, 0.3450, 0.3004

## Protanomaly

62.5377, 0.3139, 0.3028

## Deuteranomaly

62.7232, 0.3295, 0.3086

## Tritanomaly

62.5509, 0.3497, 0.3085

# Monochromacy



## Original Color

62.6649, 0.3450, 0.3004

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

64.5348, 0.3240, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6649, 0.3450, 0.3004 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6649, 0.3450, 0.3004 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 189, 217) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 189, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 189, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6649, 0.3450, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
189, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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